

HOMWORK ?

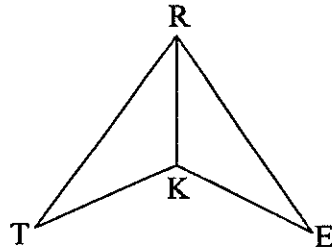
Name: _____

Date: _____ Block: _____

Foundations Level

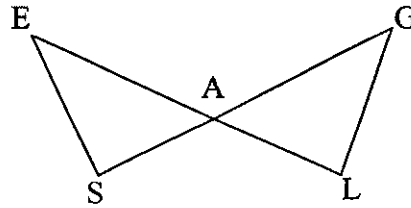
1. Given: $\overline{TR} \cong \overline{RE}$, $\angle TRK \cong \angle ERK$

Prove: $\angle T \cong \angle E$



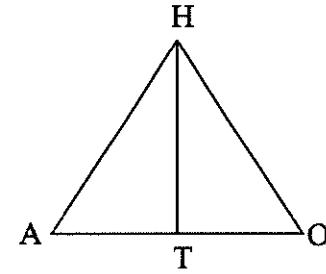
2. Given: $\overline{ES} \cong \overline{GL}$, $\angle S \cong \angle L$

Prove: $\overline{SA} \cong \overline{AL}$



3. Prove the following statement: If $\overline{HT} \perp \overline{AO}$

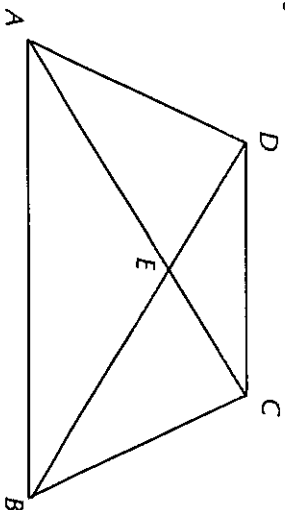
and $\angle A \cong \angle O$ then \overline{HT} bisects \overline{AO} .



Application/Extension level

1. Given: $\overline{AD} \cong \overline{BC}$, $\angle DAB \cong \angle CBA$

Prove: $\triangle ABE$ is isosceles



2. Given: \overline{FJ} is the base of an isosceles triangle. $\overline{FG} \cong \overline{JH}$, O is the midpoint of \overline{MF} , and K is the midpoint of \overline{MJ} .
Prove: $\overline{OH} \cong \overline{KG}$

